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TI Compositions of ***ionomers*** and polyamide elastomers for
golf ***ball*** covers

IN Irii, Daisuke; Inomata, Yoshihiro

PA Yokohama Rubber Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

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DT Patent

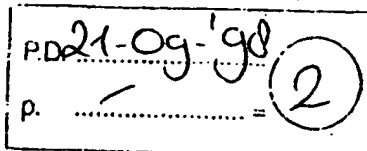
LA Japanese

IC ICM ***C08L023-26***

ICS ***A63B037-00*** ; ***A63B037-12*** ; ***C08K005-09*** ;
C08L077-00CC 39-9 (Synthetic Elastomers and Natural Rubber)
Section cross-reference(s): 38

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 10219053	A2	19980818	JP 1997-28909	19970213
AB	Title compns. comprise hard ***ionomers*** 10-90, polyamide elastomers 10-90, and polyarboxylic acids 0.2-10 parts. ***Golf*** ***balls***, having covers made of the compns., with soft hitting feel assocd. with good ***resilience*** are also claimed. Thus, ***ethylene*** - ***methacrylic*** ***acid*** copolymer Na ***salt*** (Himilan 1605) 80, polyamide rubber (Pebax 2533) 20, adipic acid 2, and TiO2 1 part were mixed, kneaded at 180.degree., and injection-molded onto a solid core to give a ***golf*** ***ball*** having Shore D hardness 62, ***resilience*** index 102.8, and soft hitting feel.				
ST	hard ***ionomer*** polyamide elastomer ***blend***; polycarboxylic acid ***ionomer*** rubber ***blend***; ***golf*** ***ball*** cover soft hitting feel; ***ethylene*** ***methacrylic*** ***acid*** copolymer ***sodium*** ***salt***; adipic acid ***ionomer*** polyamide rubber ***blend***				
IT	Synthetic rubber, properties RL: DEV (Device component use); POF (Polymer in formulation); PRP (Properties); USES (Uses) (azacyclotridecanone-polytetramethylene glycol, block, Pebax 3533; ***blends*** of hard ***ionomers***, polyamide elastomers, and polycarboxylic acids for ***golf*** ***ball*** covers)				
IT	(***blends*** of hard ***ionomers***, polyamide elastomers, and polycarboxylic acids for ***golf*** ***ball*** covers)				
IT	***Ionomers*** RL: DEV (Device component use); POF (Polymer in formulation); PRP (Properties); USES (Uses) (***blends*** of hard ***ionomers***, polyamide elastomers, and polycarboxylic acids for ***golf*** ***ball*** covers)				
IT	Polymer ***blends*** RL: DEV (Device component use); PRP (Properties); USES (Uses) (***blends*** of hard ***ionomers***, polyamide elastomers, and polycarboxylic acids for ***golf*** ***ball*** covers)				
IT	Synthetic rubber, properties RL: DEV (Device component use); POF (Polymer in formulation); PRP (Properties); USES (Uses) (polyamide-polyester-polyether, block, Pebax 2533; ***blends*** of hard ***ionomers***, polyamide elastomers, and polycarboxylic acids for ***golf*** ***ball*** covers)				
IT	Polyester rubber RL: DEV (Device component use); POF (Polymer in formulation); PRP				



(Properties); USES (Uses)
 (polyamide-polyether-, block, Pebax 2533; ***blends*** of hard
 ionomers, polyamide elastomers, and polycarboxylic acids for
 golf ***ball*** covers)
 IT ***25608-26-8***, Himilan 1605
 RL: DEV (Device component use); POF (Polymer in formulation); PRP
 (Properties); USES (Uses)
 (***blends*** of hard ***ionomers***, polyamide elastomers, and
 polycarboxylic acids for ***golf*** ***ball*** covers)
 IT 111-20-6, Sebacic acid, uses 124-04-9, Adipic acid, uses 9003-01-4,
 Poly(acrylic acid)
 RL: MOA (Modifier or additive use); USES (Uses)
 (***blends*** of hard ***ionomers***, polyamide elastomers, and
 polycarboxylic acids for ***golf*** ***ball*** covers)
 IT ***108548-63-6***, Azacyclotridecanone-polytetramethylene glycol block
 copolymer
 RL: DEV (Device component use); POF (Polymer in formulation); PRP
 (Properties); USES (Uses)
 (rubber; ***blends*** of hard ***ionomers***, polyamide
 elastomers, and polycarboxylic acids for ***golf*** ***ball***
 covers)